



Appendix A

Comparison Summary of Pit 9 Retrieval Alternatives

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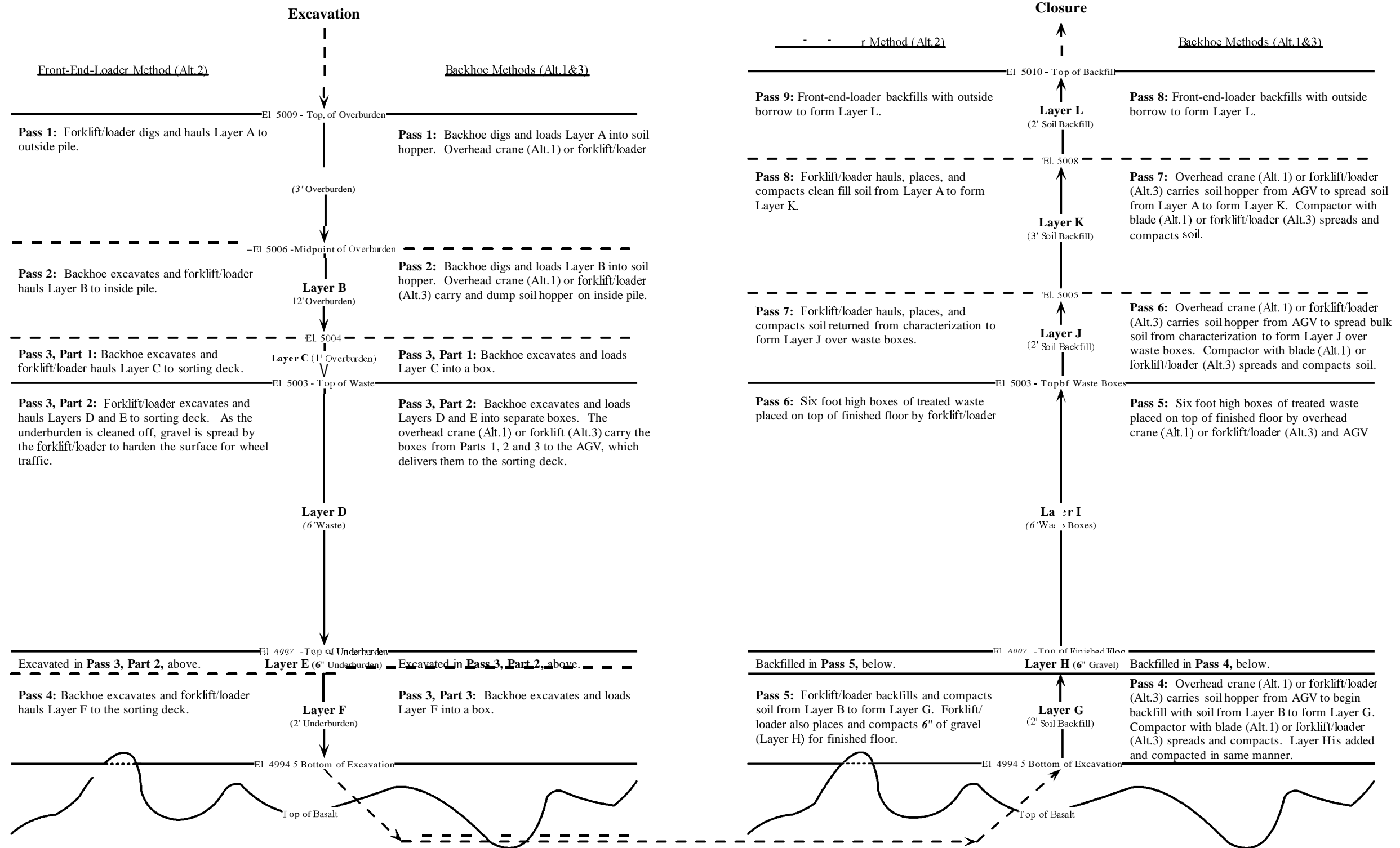


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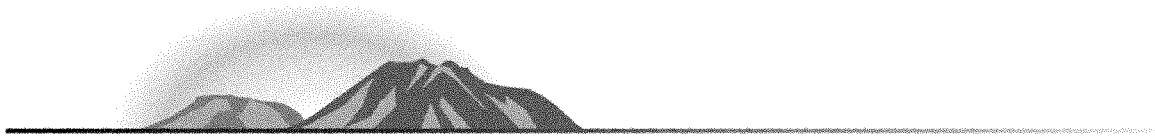
Figure A-1 provides a comparison of the excavation and backfilling activities proposed for the Pit 9 Remediation Project to be conducted within the Radioactive Waste Management Complex Subsurface Disposal Area at the Idaho National Engineering and Environmental Laboratory.

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Figure A-1. Comparison summary of retrieval alternatives for the Pit 9 Remediation Project.



Appendix B

Cost and Schedule for Next Remediation Phase



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Cost

The costs of the conceptual design phase of the project have been estimated for six major accounts as part of the yearly detailed work planning effort. The largest accounts are Design Engineering and Project Management and Administration. Costs covered in these accounts are as follows:

- The Design Engineering account covers all labor costs for the conceptual design and mock-up testing (costs of procurement of equipment and test services are covered in the Procurement account)
- The Project Management and Administration account covers the day-to-day project management, administrative support, project controls records management, travel, and risk management
- The Environmental, Safety, Health and Quality Assurance account covers (a) coordination with the environmental regulatory agencies and support for permit applications, (b) safety documentation such as PDSA and criticality safety evaluation, (c) Quality documentation, (d) Review of and support for radiological controls, (e) design reviews performed by Industrial Hygiene, and (e) analyses of fire hazards
- The Construction, Operations, and Safe Shutdown account and Decommissioning account cover support for and review of the design efforts
- The WIPP Disposition account covers work to review documentation and interview personnel to provide a better basis for the contents of the pit in support of the WIPP acceptable knowledge requirements, and (b) coordination with WIPP in developing requirements for a WIPP certification program.

These costs are documented in the *FY 2004 Detailed Work Plan for the Pit 9 Remediation Project* (INEEL 2003b).

Schedule

The schedule for the conceptual design phase of the Pit 9 Remediation Project is dictated by enforceable deadlines established in the 2002 ARD and the DOE Order 413.3 CD process. The ARD requires that the 10% design (or conceptual design) be submitted by September 2005. However, the DOE CD process, funding process, and subsequent start-of-construction deadline require that the conceptual design be completed a year earlier. The schedule for the conceptual-design phase is presented in Figure B-1.

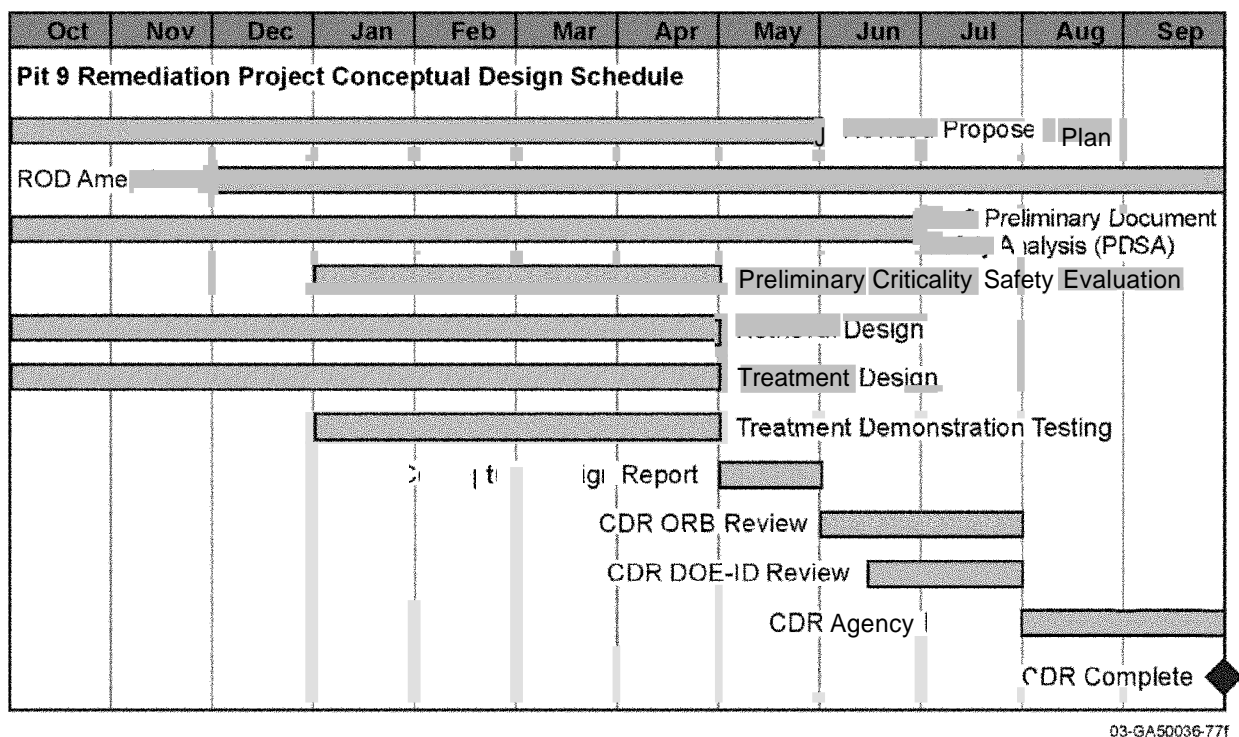


Figure B-1. Pit 9 Remediation Project conceptual design schedule.